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JAN 07 2002
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SEQUENCE LISTING

<110> LIU, QINGYUN
WANG, RUIPING
BAILEY, WENDY
DAVIDOFF, MICHAEL

<120> G PROTEIN COUPLED RECEPTOR RESEMBLING
THE LEUKOTRIENE B4 RECEPTOR

<130> 20332P

<140> 09/831,580
<141> 2001-09-24

<150> 60/108,111
<151> 1998-11-12

<150> PCT/US99/26303
<151> 1999-11-08

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<170> FastSEQ for Windows Version 4.0

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<212> DNA
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| caagaaggag | tttgtttga | ggtggggct | ggtcctcg | ggaagtgcagg | actcccaggc | 120 |
| agaaaaagagg | caggctgcag | ggaagtaagg | aggaggcatg | gcaccttc | atcgggcata | 180 |
| acaggtgggg | ttttccccca | ccccctgaac | ccctctgtgg | cgccttccac | ccacctgttag | 240 |
| gcccagaagg | atgcggct | gctaccgtcc | cccaggaaac | gagacaactgc | ttagctggaa | 300 |
| gacttcgcgg | gccacaggca | cagccttc | gctgctggcg | gctgctgtgg | gctgcctgg | 360 |
| caacggtt | tcgtgttga | gcttggcg | ctggcgctt | gcacggggc | gaccgctggc | 420 |
| ggcaacgctt | gtgttgacc | tggcgctgg | cgacggcg | gtgctgtgc | tcacgcccgt | 480 |
| ctttgtggcc | ttctctgaccc | ggcaggctt | gccgctggc | caggcggct | gcaaggcggt | 540 |
| gtactacgt | tgcgcgtca | gatgtacgc | cagcgtctg | ctcacccggc | tgtctcagcc | 600 |
| gcagcgtc | ttcgcagtca | ccgc | cctggcgctt | cggtcg | gcccggccct | 660 |
| ggcccgccgc | ctgctgtgg | cggtctggct | ggccgcctg | ttgctcgcc | tcccgccgc | 720 |
| cgtctacgc | cacctgttga | gggaccgcgt | atgcctgc | tgccacccgt | cggccgtcca | 780 |
| cgccgcgc | cacctgagcc | tggagactct | gaccgc | gtgcttcc | tccggctgat | 840 |
| gctcggctgc | tacagcgtga | cgctggcac | gctgcggggc | gcccgtgg | gtcccgccgc | 900 |
| gcacggggcg | cggtgggccc | ggctggtag | cgccatcg | ttgcctcg | gcttgc | 960 |
| ggccccctac | cacgcgtca | accttctgca | ggcggtcg | gcgcgtgc | caccggaa | 1020 |
| ggccttggcg | aagctggcg | gagccggcca | ggcggtcg | gcgggaacta | cggccttggc | 1080 |
| cttcttca | gtcagcgtca | accgcgtt | ctacgtctc | accgcgtgg | atctgc | 1140 |
| ccggc | cccggttcc | tcacgcgg | cltcyaaggc | tctgggagg | cccgaggggg | 1200 |
| cggccgtct | aggaaaggga | ccatggag | ccgaactacc | cctcagctga | aagtgggtgg | 1260 |
| gcaggggccgc | ggcaatggag | accgcgggg | tggatggag | aaggacggc | cgaatggga | 1320 |
| cctttgacag | cagaccctac | aacctgc | cctccctgt | ccctttccac | ccccacccca | 1380 |
| ccctccagag | gtcagtg | tggacattt | ggggaccctt | ctttgactag | agtttgatc | 1440 |
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Glu Arg Pro Leu Trp Arg Leu Pro Pro Thr Cys Arg Pro Arg Arg Met
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Ser Val Cys Tyr Arg Pro Pro Gly Asn Glu Thr Leu Leu Ser Trp Lys
35 40 45
Thr Ser Arg Ala Thr Gly Thr Ala Phe Leu Leu Ala Ala Leu Leu
50 55 60
Gly Leu Pro Gly Asn Gly Phe Val Val Trp Ser Leu Ala Gly Trp Arg
65 70 75 80
Leu Ala Arg Gly Arg Pro Leu Ala Ala Thr Leu Val Leu His Leu Ala
85 90 95
Leu Ala Asp Gly Ala Val Leu Leu Thr Pro Phe Phe Val Ala Phe
100 105 110
Leu Thr Arg Gln Ala Trp Pro Leu Gly Gln Ala Gly Cys Lys Ala Val
115 120 125
Tyr Tyr Val Cys Ala Leu Ser Met Tyr Ala Ser Val Leu Leu Thr Gly
130 135 140
Leu Leu Ser Leu Gln Arg Cys Phe Ala Val Thr Arg Pro Phe Leu Ala
145 150 155 160
Leu Arg Leu Arg Ser Pro Ala Leu Ala Arg Arg Leu Leu Ala Val
165 170 175
Trp Leu Ala Ala Leu Leu Ala Val Pro Ala Ala Val Tyr Arg His
180 185 190
Leu Trp Arg Asp Arg Val Cys Gln Leu Cys His Pro Ser Pro Val His
195 200 205
Ala Ala Ala His Leu Ser Leu Glu Thr Leu Thr Ala Phe Val Leu Pro
210 215 220
Phe Gly Leu Met Leu Gly Cys Tyr Ser Val Thr Leu Ala Arg Leu Arg
225 230 235 240
Gly Ala Arg Trp Gly Ser Gly Arg His Gly Ala Arg Val Gly Arg Leu
245 250 255
Val Ser Ala Ile Val Leu Ala Phe Gly Leu Leu Trp Ala Pro Tyr His
260 265 270
Ala Val Asn Leu Leu Gln Ala Val Ala Ala Leu Ala Pro Pro Glu Gly
275 280 285
Ala Leu Ala Lys Leu Gly Gly Ala Gly Gln Ala Ala Arg Ala Gly Thr
290 295 300
Thr Ala Leu Ala Phe Phe Ser Ser Ser Val Asn Pro Val Leu Tyr Val
305 310 315 320
Phe Thr Ala Gly Asp Leu Leu Pro Arg Ala Gly Pro Arg Phe Leu Thr
325 330 335
Arg Leu Phe Glu Gly Ser Gly Glu Ala Arg Gly Gly Arg Ser Arg
340 345 350
Glu Gly Thr Met Glu Leu Arg Thr Thr Pro Gln Leu Lys Val Val Gly
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Pro Glu Trp Asp Leu
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<212> PRT

<213> Homo Sapiens

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| 20 | 25 | 30 | |
| Leu Pro Gly Asn Ser Phe Val Val Trp Ser Ile Leu Lys Arg Met Gln | | | |
| 35 | 40 | 45 | |
| Lys Arg Ser Val Thr Ala Leu Met Val Leu Asn Leu Ala Leu Ala Asp | | | |
| 50 | 55 | 60 | |
| Leu Ala Val Leu Leu Thr Ala Pro Phe Phe Leu His Phe Leu Ala Gln | | | |
| 65 | 70 | 75 | 80 |
| Gly Thr Trp Ser Phe Gly Leu Ala Gly Cys Arg Leu Cys His Tyr Val | | | |
| 85 | 90 | 95 | |
| Cys Gly Val Ser Met Tyr Ala Ser Val Leu Leu Ile Thr Ala Met Ser | | | |
| 100 | 105 | 110 | |
| Leu Asp Arg Ser Leu Ala Val Ala Arg Pro Phe Val Ser Gln Lys Leu | | | |
| 115 | 120 | 125 | |
| Arg Thr Lys Ala Met Ala Arg Arg Val Leu Ala Gly Ile Trp Val Leu | | | |
| 130 | 135 | 140 | |
| Ser Phe Leu Ala Thr Pro Val Leu Ala Tyr Arg Thr Val Val Pro | | | |
| 145 | 150 | 155 | 160 |
| Trp Lys Thr Asn Met Ser Leu Cys Phe Pro Arg Tyr Pro Ser Glu Gly | | | |
| 165 | 170 | 175 | |
| His Arg Ala Phe His Leu Ile Phe Glu Ala Val Thr Gly Phe Leu Leu | | | |
| 180 | 185 | 190 | |
| Pro Phe Leu Ala Val Val Ala Ser Tyr Ser Asp Ile Gly Arg Arg Leu | | | |
| 195 | 200 | 205 | |
| Gln Ala Arg Arg Phe Arg Arg Ser Arg Arg Thr Gly Arg Leu Val Val | | | |
| 210 | 215 | 220 | |
| Leu Ile Ile Leu Thr Phe Ala Ala Phe Trp Leu Pro Tyr His Val Val | | | |
| 225 | 230 | 235 | 240 |
| Asn Leu Ala Glu Ala Gly Arg Ala Leu Ala Gly Gln Ala Ala Gly Leu | | | |
| 245 | 250 | 255 | |
| Gly Leu Val Gly Lys Arg Leu Ser Leu Ala Arg Asn Val Leu Ile Val | | | |
| 260 | 265 | 270 | |
| Leu Ala Phe Leu Ser Ser Ser Val Asn Pro Val Leu Tyr Ala Cys Ala | | | |
| 275 | 280 | 285 | |
| Gly Gly Gly Leu Val Arg Ser Ala Gly Val Gly Phe Val Ala Lys Leu | | | |
| 290 | 295 | 300 | |
| Leu Glu Gly Thr Gly Ser Glu Ala Ser Ser Thr Arg Arg Gly Gly Ser | | | |
| 305 | 310 | 315 | 320 |
| Leu Gly Gln Thr Ala Arg Ser Gly Pro Ala Ala Leu Glu Pro Gly Pro | | | |
| 325 | 330 | 335 | |
| Ser Glu Ser Leu Thr Ala Ser Ser Pro Leu Lys Leu Asn Glu Leu Asn | | | |
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